

Title (en)

METHOD FOR OPTIMISING THE EXPLOITATION OF A FLUID RESERVOIR BY TAKING INTO CONSIDERATION A GEOLOGICAL AND TRANSITIONAL EXCHANGE TERM BETWEEN MATRIX BLOCKS AND FRACTURES

Title (de)

METHODE ZUR OPTIMIERUNG DER AUSBEUTUNG EINES FLUIDLAGERS DURCH BERÜCKSICHTIGUNG EINES GEOLOGISCHEN UND VORÜBERGEHENDEN AUSTAUSCHTERMS ZWISCHEN MATRIXBLÖCKEN UND BRÜCHEN

Title (fr)

MÉTHODE POUR OPTIMISER L'EXPLOITATION D'UN GISEMENT DE FLUIDE PAR PRISE EN COMPTE D'UN TERME D'ÉCHANGE GÉOLOGIQUE ET TRANSITOIRE ENTRE BLOCS MATRICIELS ET FRACTURES

Publication

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Application

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Priority

FR 0709118 A 20071220

Abstract (en)

[origin: EP2072752A1] The method involves discretising a fluid deposit in a set of meshes, and associating a geological image representing a fracture network delimiting porous blocks and fractures from direct and indirect observations of the fluid deposit. A geological and transitional exchange flow taking place between the porous blocks and fractures is determined in each mesh using processing of the image. Fluid flows are simulated in the fluid deposit using a flow simulator and the geological and transitional exchange flow. Exploitation of the fluid deposit is optimized using the fluid flow simulation.

IPC 8 full level

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CPC (source: EP US)

E21B 43/00 (2013.01 - EP US); **E21B 43/26** (2013.01 - EP US); **G01V 11/00** (2013.01 - EP US); **G06F 30/28** (2020.01 - EP US)

Cited by

FR2969207A1; FR2969208A1; US9785802B2; US10712469B2; GB2515417A; GB2515417B; WO2012080593A1; WO2012080590A1; EP2813668A1; FR3007165A1; WO2013144458A1

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